



1 **Abstract:**

2 The present invention discloses a novel monolithic
3 construction food container which can be heated in a
4 microwave oven without distortion of its shape, without
5 interfering with or overloading the microwave energy beam
6 or the microwave radiant energy generation unit and without
7 leakage even when the contained food reaches a boiling
8 point. The food container comprises an impermeable cavity
9 defined by a continuous seamless wall with a periphery,
10 having no folded gussets and preferably polygonal in shape
11 and a set of at least two flaps which are joined,
12 preferably integrally and seamlessly, to the top peripheral
13 portion of the cavity. The container is made of a
14 thermoplastic polymeric material having a glass transition
15 temperature of at least -(negative) 20 degrees Celsius
16 and/or a Heat Distortion Temperature. , measured under a
17 stress of 264 psi, in accordance with ASTM Standard Method
18 No. D648, of at least 48 degrees Celsius.

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21 Doc.ID. Food Container Utility.Pat.Appln.11-20-03-Abstract-1
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